Grade 6

[Adding and Subtracting Directed Numbers](http://map.mathshell.org/lessons.php?unit=6125&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 1?

[Creating a Measure of Slope](http://map.mathshell.org/lessons.php?unit=6315&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 5?

[Designing 3D Products: Candy Cartons](http://map.mathshell.org/lessons.php?unit=6300&collection=8) – this one is called Designing Candy Cartons in 6th grade Unit 5 p. 84 and TOC

[Evaluating Statements About Number Operations](http://map.mathshell.org/lessons.php?unit=6225&collection=8) – this one is correct in the state frameworks

[Evaluating Statements: Consecutive Sums](http://map.mathshell.org/lessons.php?unit=6205&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 3?

[Finding Factors and Multiples](http://map.mathshell.org/lessons.php?unit=6110&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 1?

[Interpreting Equations](http://map.mathshell.org/lessons.php?unit=6215&collection=8) – this one is called Real-life Equations in 6th grade Unit 4 p. 56 and TOC

[Interpreting Multiplication and Division](http://map.mathshell.org/lessons.php?unit=6115&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 1?

[Maximizing Profit: Selling Soup](http://map.mathshell.org/lessons.php?unit=6100&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 2?

[Modeling Relationships: Car Skid Marks](http://map.mathshell.org/lessons.php?unit=6210&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 2?

[Optimizing Coverage: Security Cameras](http://map.mathshell.org/lessons.php?unit=6305&collection=8) – this one is called Optimizing Security Cameras in 6th grade Unit 2 p. 64 and TOC

[Representing Data With Grouped Frequency Graphs and Box Plots](http://map.mathshell.org/lessons.php?unit=6405&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 6 or Algebra I unit 6?

[Representing the Laws of Arithmetic](http://map.mathshell.org/lessons.php?unit=6220&collection=8) – this one is called Laws of Arithmetic in 6th grade Unit 3 p. 79 and TOC and the link at the top of the page is broken but it matches the one on the bottom of the page???

[Representing Variability with Mean, Median, Mode, and Range](http://map.mathshell.org/lessons.php?unit=6400&collection=8) – this one is called Mean, Median, Mode, and Range in 6th grade Unit 6 p. 60 and TOC

[Sharing Costs Equitably: Traveling to School](http://map.mathshell.org/lessons.php?unit=6200&collection=8) – this one is called Sharing Costs: Traveling to School in 6th grade Unit 2 p. 62 and TOC

[Translating between Fractions, Decimals and Percents](http://map.mathshell.org/lessons.php?unit=6120&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 1, 7th grade unit 1, or even in upper elementary grades?

[Using Coordinates to Interpret and Represent Data](http://map.mathshell.org/lessons.php?unit=6320&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 6?

[Using Proportional Reasoning](http://map.mathshell.org/lessons.php?unit=6230&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 2?

[Using Space Efficiently: Packing a Truck](http://map.mathshell.org/lessons.php?unit=6310&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 5?

[Using Standard Algorithms for Number Operations](http://map.mathshell.org/lessons.php?unit=6105&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 1?

Grade 7

[Analyzing Games of Chance](http://map.mathshell.org/lessons.php?unit=7420&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 6?

[Applying Angle Theorems](http://map.mathshell.org/lessons.php?unit=7320&collection=8) – this one is correct in the state frameworks

[Classifying Proportion and Non-Proportion Situations](http://map.mathshell.org/lessons.php?unit=7215&collection=8) – this one is called Proportion and Non-proportion Situations in 7th grade Unit 3 p. 44 and TOC and both links to the FAL are broken

[Comparing Data Using Statistical Measures](http://map.mathshell.org/lessons.php?unit=7410&collection=8) – this one is not currently in the frameworks but could possibly be added to 6th grade unit 6, Algebra I unit 6 (Coordinate Algebra unit 4), or Advanced Algebra/Algebra II unit 7?

[Comparing Strategies for Proportion Problems](http://map.mathshell.org/lessons.php?unit=7210&collection=8) - this one is correct in the state frameworks

[Describing and Defining Quadrilaterals](http://map.mathshell.org/lessons.php?unit=7325&collection=8) – this one is not currently in the frameworks but could possibly be added to 4th grade unit 6 or 5th grade unit 5 or Geometry unit 2?

[Describing and Defining Triangles](http://map.mathshell.org/lessons.php?unit=7330&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 4?

[Designing a 3D Product in 2D: A Sports Bag](http://map.mathshell.org/lessons.php?unit=7305&collection=8) – this one is called Using Dimensions: Designing a Sports Bag in 7th grade Unit 4 p. 79 and TOC

[Designing: A Game of Chance](http://map.mathshell.org/lessons.php?unit=7405&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 6?

[Drawing to Scale: A Garden](http://map.mathshell.org/lessons.php?unit=7310&collection=8) – this one is called Drawing to Scale: Designing a Garden in 7th grade Unit 3 p. 63 and TOC

[Estimating Volume: The Money Munchers](http://map.mathshell.org/lessons.php?unit=7315&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 4?

[Evaluating Statements About Probability](http://map.mathshell.org/lessons.php?unit=7415&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 6?

[Finding Areas of Circles](http://map.mathshell.org/lessons.php?unit=7335&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 4 or Geometry unit 4 (Analytic Geometry unit 3)?

[Increasing and Decreasing Quantities by a Percent](http://map.mathshell.org/lessons.php?unit=7100&collection=8) – this one is correct in the state frameworks but both links to the FAL are broken

[Maximizing Area: Gold Rush](http://map.mathshell.org/lessons.php?unit=7300&collection=8) – this one is correct in the state frameworks

[Modeling: Hot and Cold](http://map.mathshell.org/lessons.php?unit=7205&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 2 or 8th grade unit 5 or Algebra I unit 2 (Coordinate Algebra unit 1)?

[Representing: Road Race](http://map.mathshell.org/lessons.php?unit=7200&collection=8) – this one is not currently in the frameworks but could possibly be added to 7th grade unit 3?

[Sampling and Estimating: Counting Trees](http://map.mathshell.org/lessons.php?unit=7400&collection=8) – this one is called Counting Trees in 7th grade unit 5 p. 34 and TOC

[Solving Linear Equations](http://map.mathshell.org/lessons.php?unit=7220&collection=8) – this one is correct in the state frameworks

[Using Positive and Negative Numbers in Context](http://map.mathshell.org/lessons.php?unit=7105&collection=8) – this one is correct in the state frameworks

Grade 8

[Applying Properties of Exponents](http://map.mathshell.org/lessons.php?unit=8110&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 2?

[Building and Solving Linear Equations](http://map.mathshell.org/lessons.php?unit=8245&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 2 or Algebra I unit 2 (Coordinate Algebra unit 2)?

[Classifying Solutions to Systems of Equations](http://map.mathshell.org/lessons.php?unit=8220&collection=8) – this one is correct in the state frameworks

[Comparing Fuel Consumption: Buying Cars](http://map.mathshell.org/lessons.php?unit=8210&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 4?

[Comparing Lines and Linear Equations](http://map.mathshell.org/lessons.php?unit=8230&collection=8) – this one is called Lines and Linear Equations in 8th grade Unit 5 p. 41 and TOC

[Comparing Value for Money: Baseball Jerseys](http://map.mathshell.org/lessons.php?unit=8200&collection=8) – this one is called Solving Real Life Problems: Baseball Jerseys in 8th grade Unit 5 p. 58 and TOC

[Defining Lines by Points, Slopes and Equations](http://map.mathshell.org/lessons.php?unit=8215&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 5?

[Discovering the Pythagorean Theorem](http://map.mathshell.org/lessons.php?unit=8315&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 3?

[Estimating Length Using Scientific Notation](http://map.mathshell.org/lessons.php?unit=8100&collection=8) – this one is correct in the state frameworks

[Finding the Shortest Route: A Schoolyard Problem](http://map.mathshell.org/lessons.php?unit=8305&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 3?

[Generalizing Patterns: The Difference of Two Squares](http://map.mathshell.org/lessons.php?unit=8205&collection=8) – this one is not currently in the frameworks but could possibly be added to Algebra I unit 3 or Analytic Geometry unit 5?

[Identifying Similar Triangles](http://map.mathshell.org/lessons.php?unit=8320&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 1 or Geometry unit 2 or Analytic Geometry unit 1?

[Interpreting and Using Data: Setting Taxi Fares](http://map.mathshell.org/lessons.php?unit=8410&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 6?

[Interpreting Distance–Time Graphs](http://map.mathshell.org/lessons.php?unit=8225&collection=8) – this one is called Interpreting Distance-Time in 8th grade Unit 6 p. 64 and TOC

[Matching Situations, Graphs and Linear Equations](http://map.mathshell.org/lessons.php?unit=8235&collection=8) – this one is called Modeling Situations with Linear Equations in 8th grade Unit 4 p. 71 and TOC and Algebra I unit 2 p. 128 and TOC (Coordinate Algebra unit 2 p. 83 and TOC)

[Modeling: Making Matchsticks](http://map.mathshell.org/lessons.php?unit=8300&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 3?

[Representing and Combining Transformations](http://map.mathshell.org/lessons.php?unit=8310&collection=8) – this one is correct in the state frameworks for 8th and Coordinate Algebra and Geometry

[Sampling and Estimating: How Many Jellybeans](http://map.mathshell.org/lessons.php?unit=8400&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 3?

[Solving Linear Equations in One Variable](http://map.mathshell.org/lessons.php?unit=8240&collection=8) – this one is correct in the state frameworks

[Translating Between Repeating Decimals and Fractions](http://map.mathshell.org/lessons.php?unit=8105&collection=8) – this one is called Repeating Decimals in 8th grade Unit 2 p. 34 and TOC

[Using Data: Testing a New Product](http://map.mathshell.org/lessons.php?unit=8405&collection=8) – this one is not currently in the frameworks but could possibly be added to 8th grade unit 6?

High School

[Building and Solving Complex Equations](http://map.mathshell.org/lessons.php?unit=9215&collection=8) – this one is not currently in the frameworks but could possibly be added to Algebra I unit 2 or Coordinate Algebra unit 2?

[Calculating Arcs and Areas of Sectors of Circles](http://map.mathshell.org/lessons.php?unit=9360&collection=8) – this one is called Sectors of Circles in Geometry unit 4 p. 98 and TOC (Analytic Geometry unit 3 p. 97 and TOC)

[Calculating Volumes of Compound Objects](http://map.mathshell.org/lessons.php?unit=9345&collection=8) – this one is correct in the state frameworks

[Classifying Equations of Parallel and Perpendicular Lines](http://map.mathshell.org/lessons.php?unit=9220&collection=8) – this one is called Equations of Parallel and Perpendicular Lines in Coordinate Algebra unit 6 p. 56 and TOC (Geometry unit 5 p. 58 and TOC)

[Classifying Rational and Irrational Numbers](http://map.mathshell.org/lessons.php?unit=9105&collection=8) – this one is called Rational and Irrational Numbers 1 in Algebra I unit 1 p. 46 and TOC (Analytic Geometry unit 4 p. 32 and TOC)

[Deducting Relationships: Floodlight Shadows](http://map.mathshell.org/lessons.php?unit=9305&collection=8) – this one is called Solving Geometry Problems – Floodlights in Geometry unit 2 p. 184 and TOC (Analytic Geometry unit 1 p. 198 and TOC)

[Devising a Measure: Correlation](http://map.mathshell.org/lessons.php?unit=9410&collection=8) – this one is called Devising a Measure for Correlation in Algebra I unit 6 p. 73 and TOC (Coordinate Algebra unit 4 p. 73 and TOC)

[Evaluating Conditions for Congruency](http://map.mathshell.org/lessons.php?unit=9315&collection=8) – this one is called Analyzing Congruency Proofs in Geometry unit 2 p. 28 and TOC (Analytic Geometry unit 1 p. 30 and TOC)

[Evaluating Statements About Enlargements](http://map.mathshell.org/lessons.php?unit=9320&collection=8) – this one is correct in the state frameworks but both links to the FAL are broken for Geometry (p. 112) and Analytic Geometry (p. 111)

[Evaluating Statements About Length and Area](http://map.mathshell.org/lessons.php?unit=9310&collection=8) – this one is correct in the state frameworks

[Evaluating Statements about Radicals](http://map.mathshell.org/lessons.php?unit=9115&collection=8) – this one is not currently in the frameworks but could possibly be added to Advanced Algebra/Algebra II unit 4?

[Evaluating Statements about Rational and Irrational Numbers](http://map.mathshell.org/lessons.php?unit=9110&collection=8) – this one is called Rational and Irrational Numbers 2 in Algebra I unit 1 p. 47 and TOC (Analytic Geometry unit 4 p. 34 and TOC)

[Generalizing Patterns: Table Tiles](http://map.mathshell.org/lessons.php?unit=9200&collection=8) – this one is correct in the state frameworks

[Generating Polynomials from Patterns](http://map.mathshell.org/lessons.php?unit=9230&collection=8) – this one is not currently in the frameworks but could possibly be added to Advanced Algebra/Algebra II unit 3?

[Inscribing and Circumscribing Right Triangles](http://map.mathshell.org/lessons.php?unit=9330&collection=8) – this one is correct in the state frameworks

[Interpreting Algebraic Expressions](http://map.mathshell.org/lessons.php?unit=9225&collection=8) – this one is correct in the state frameworks

[Interpreting Data: Muddying the Waters](http://map.mathshell.org/lessons.php?unit=9400&collection=8) – this one is not currently in the frameworks but could possibly be added to Algebra I unit 6 or Coordinate Algebra unit 4?

[Maximizing Profits: Selling Boomerangs](http://map.mathshell.org/lessons.php?unit=9205&collection=8) – this one is called Optimization Boomerang in 8th grade Unit 7 p. 92 and TOC and is called Boomerangs in Algebra 1 unit 2 p. 101 and TOC (Coordinate Algebra unit 2 p. 55 and TOC)

[Modeling Motion: Rolling Cups](http://map.mathshell.org/lessons.php?unit=9300&collection=8) – this one is not currently in the frameworks but could possibly be added to \_\_\_\_\_\_\_\_\_\_?

[Modeling Population Growth: Having Kittens](http://map.mathshell.org/lessons.php?unit=9100&collection=8) – this one is called Having Kittens in Algebra I unit 5 p. 18 and TOC (Coordinate Algebra unit 3 p. 63 and TOC)

[Proving the Pythagorean Theorem](http://map.mathshell.org/lessons.php?unit=9325&collection=8) – this one is called Proofs of the Pythagorean Theorem in Geometry unit 3 p. 26 (Analytic Geometry unit 2 p. 28 and TOC)

[Representing 3D Objects in 2D](http://map.mathshell.org/lessons.php?unit=9340&collection=8) – this one is called 2D Representations of 3D Objects in Geometry unit 4 p. 128 (Analytic Geometry unit 3 p. 127 and TOC)

[Representing Conditional Probabilities 1](http://map.mathshell.org/lessons.php?unit=9425&collection=8) – this one is called Modeling Conditional Probabilities 1: Lucky Dip in Geometry unit 6 p. 67 and TOC (Analytic Geometry unit 7 p. 66 and TOC)

[Representing Conditional Probabilities 2](http://map.mathshell.org/lessons.php?unit=9430&collection=8) – this one is called Modeling Conditional Probabilities 2 in Geometry unit 6 p. 82 and TOC (Analytic Geometry unit 7 p. 81 and TOC)

[Representing Data with Box Plots](http://map.mathshell.org/lessons.php?unit=9420&collection=8) – this one is called Representing Data 2: Using Box Plots in Algebra I unit 6 p. 37 and TOC (Coordinate Algebra unit 4 p. 37 and TOC)

[Representing Data with Frequency Graphs](http://map.mathshell.org/lessons.php?unit=9415&collection=8) – this one is called Representing Data 1: Using Frequency Graphs in Algebra I unit 6 p. 33 and TOC (Coordinate Algebra unit 4 p. 33 and TOC)

[Representing Functions of Everyday Situations](http://map.mathshell.org/lessons.php?unit=9260&collection=8) – this one is not currently in the frameworks but could possibly be added to Advanced Algebra/Algebra II unit 6?

[Representing Inequalities Graphically](http://map.mathshell.org/lessons.php?unit=9265&collection=8) – this one is not currently in the frameworks but could possibly be added to Algebra I unit 2 or Coordinate Algebra unit 2?

[Representing Linear and Exponential Growth](http://map.mathshell.org/lessons.php?unit=9240&collection=8) – this one is called Comparing Investments in Algebra I unit 5 p. 33 and TOC (Coordinate Algebra unit 3 p. 38 and TOC)

[Representing Polynomials Graphically](http://map.mathshell.org/lessons.php?unit=9270&collection=8) – this one is called Representing Polynomials in Advanced Algebra/Algebra II unit 2 p. 48 and TOC

[Representing Probabilities: Medical Testing](http://map.mathshell.org/lessons.php?unit=9405&collection=8) – this one is called Medical Testing in Geometry unit 6 p. 84 and TOC (Analytic Geometry unit 7 p. 83 and TOC)

[Representing Quadratic Functions Graphically](http://map.mathshell.org/lessons.php?unit=9245&collection=8) – this one is correct in the state frameworks for Algebra I unit 3 p. 174 but in Analytic Geometry it is called Forming Quadratics in unit 5 p. 172 and TOC

[Representing Trigonometric Functions](http://map.mathshell.org/lessons.php?unit=9255&collection=8) – this one is called Ferris Wheel in Precalculus unit 1 p. 131 and TOC

[Solving Linear Equations in Two Variables](http://map.mathshell.org/lessons.php?unit=9235&collection=8) – this one is correct in the state frameworks

[Solving Problems with Circles and Triangles](http://map.mathshell.org/lessons.php?unit=9335&collection=8) – this one is called Geometry Problems: Circles and Triangles in Geometry unit 4 p. 78 and TOC (Analytic Geometry unit 3 p. 77 and TOC)

[Solving Quadratic Equations](http://map.mathshell.org/lessons.php?unit=9250&collection=8) – this one is not currently in the frameworks but could possibly be added to Algebra I unit 3 or Analytic Geometry unit 5?

[Sorting Equations and Identities](http://map.mathshell.org/lessons.php?unit=9210&collection=8) – this one is correct in the state frameworks

[Sorting Equations of Circles 1](http://map.mathshell.org/lessons.php?unit=9350&collection=8) – this one is called Equations of Circles – 1 in Geometry unit 5 p. 100 and TOC (Analytic Geometry unit 6 p. 22 and TOC)

[Sorting Equations of Circles 2](http://map.mathshell.org/lessons.php?unit=9355&collection=8) – this one is called Equations of Circles – 2 in Geometry unit 5 p. 102 and TOC (Analytic Geometry unit 6 p. 24 and TOC)

[Transforming 2D Figures](http://map.mathshell.org/lessons.php?unit=9365&collection=8) – this one is not currently in the frameworks but could possibly be added to Coordinate Algebra unit 5 or Geometry unit 1?